

It should be noted that the preferred combination 1 of ball 3 and elongated shaft 2 is that in which the two are joined as a unitary component. This combination is manufactured from hardened steel or the like to endure the wear that usually accompanies such devices. The truncated flat surface 14 is provided so that there is a space or void 25 (see Figure 8) formed above the ball 3 when in the housing 4. The space 25 is intended to contain lubricant, namely, a thickened oil or grease which is not shown in this Figure, but which can be any common lubricant known in the art. Filling the void 25 above the truncated surface 14 allows for pressure to be applied to the ball 3, while in the housing 4, and is employed to help seat the ball in the seat 18 (see Figure 4) provided at the lower end of the housing 4. The pressure created by lubricants inserted into the void 25 is also a means to help adjust the ball 3 in the housing 4 to accommodate for any wear on the ball 3. As far as is known by the inventors herein, this means of accommodating for wear on the ball 3 is not known independently of mechanical means, or as a sole means for providing such pressure.

The housing 4, which houses and seats the ball 3 is shown in Figure 3. With reference to this Figure, there is shown the threaded exterior surface 5, which inserts into the socket 16, that is described *infra*, the lower edge 15, which in this Figure is beveled to fit into the bottom of the socket 16, the flange 10 which is configured such that it can be used to turn the housing 4 into the socket 16, and in this Figure, the flange 10 is shown as a hexagon configuration also any convenient configuration that allows the turning of the housing 4 is contemplated within the scope of this invention. The threaded exterior surface 5 is used to attach the housing to the support arm of a suspension system. This means for attaching the housing to the support arm of the suspension system is external threads 5 on the external surface of the middle portion of the housing. In the side surface of the flange 10, there is shown a fastening means 7 for the housing 4, to retain the retaining member 6 in the housing 4, which fastening means 7 is comprised of a simple set screw combination wherein there is shown the threaded opening 9, into which a set screw 8 is inserted and turned down to complete the fastening. The type of fastening means 7 is not critical in this invention, and any fastening means which will secure the retaining member 6 in the housing 4 and which is fairly simple to use, is acceptable.